

```

LLL                      0000000000      GGGGGGGGGGGG      IIIIIIIII      NNN      NNN
LLL                      0000000000      GGGGGGGGGGGG      IIIIIIIII      NNN      NNN
LLL                      0000000000      GGGGGGGGGGGG      IIIIIIIII      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNNNNN      NNN
LLL                      000      000      GGG      III      NNNNNN      NNN
LLL                      000      000      GGG      III      NNNNNN      NNN
LLL                      000      000      GGG      III      NNN      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNNNNN
LLL                      000      000      GGG      III      NNN      NNNNNN
LLL                      000      000      GGG      III      NNN      NNNNNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLL                      000      000      GGG      III      NNN      NNN
LLLLLLLLLLLLLLLLLLLL    0000000000      GGGGGGGGGG      IIIIIIIII      NNN      NNN
LLLLLLLLLLLLLLLLLLLL    0000000000      GGGGGGGGGG      IIIIIIIII      NNN      NNN
LLLLLLLLLLLLLLLLLLLL    0000000000      GGGGGGGGGG      IIIIIIIII      NNN      NNN

```

```
DDDDDDDD  EEEEEEEEE  TTTTTTTTT  AAAAAA  CCCCCCCC  HH  HH  EEEEEEEEE  DDDDDDDD
DDDDDDDD  EEEEEEEEE  TTTTTTTTT  AAAAAA  CCCCCCCC  HH  HH  EEEEEEEEE  DDDDDDDD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EEEEEEE  TT  AA  AA  CC  HHHHHHHHHH  EEEEEEE  DD  DD
DD  DD  EEEEEEE  TT  AA  AA  CC  HHHHHHHHHH  EEEEEEE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DD  DD  EE  TT  AA  AA  CC  HH  HH  EE  DD  DD
DDDDDDDD  EEEEEEEEE  TT  AA  AA  CCCCCCCC  HH  HH  EEEEEEEEE  DDDDDDDD
DDDDDDDD  EEEEEEEEE  TT  AA  AA  CCCCCCCC  HH  HH  EEEEEEEEE  DDDDDDDD
```

```
LL  IIIIII  SSSSSSSS
LL  IIIIII  SSSSSSSS
LL  II  SS
LL  II  SS
LL  II  SS
LL  II  SS
LL  II  SSSSSS
LL  II  SSSSSS
LL  II  SS
LL  II  SS
LL  II  SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```



```
0001 0 MODULE detached (IDENT = 'V04-000',
0002 0 ADDRESSING_MODE(EXTERNAL = GENERAL)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 1 *
0026 1 *
0027 1 *****
0028 1
0029 1 ++
0030 1 FACILITY: Login
0031 1
0032 1 ABSTRACT:
0033 1
0034 1 This module handles all processing specific to detached jobs.
0035 1
0036 1 ENVIRONMENT:
0037 1
0038 1 VAX/VMS operating system.
0039 1
0040 1 AUTHOR: Tim Halvorsen, March 1981
0041 1
0042 1 Modified by:
0043 1
0044 1 V03-013 MHB0147 Mark Bramhall 7-May-1984
0045 1 Guard again no global buffers when opening NETUAF.
0046 1
0047 1 V03-012 MHB0125 Mark Bramhall 10-Apr-1984
0048 1 Set node name, etc. via SET_NODE_NAME.
0049 1 Disallow network access to accounts with secondary passwords.
0050 1 Fix up network output file name scanning.
0051 1
0052 1 V03-011 MHB0107 Mark Bramhall 21-Mar-1984
0053 1 Use LNM services for logical names.
0054 1
0055 1 V03-010 PCG0001 Peter George 31-Jan-1984 15:10
0056 1 Add secondary password to network processing.
0057 1 Correct bug in interpreting batch item list.
```

58	0058	1	
59	0059	1	
60	0060	1	V03-009 ACG0385 Andrew C. Goldstein, 29-Dec-1983 9:59
61	0061	1	Implement job type in JIB; fix coding of field references
62	0062	1	to proxy file record. Change UAF working set fields
63	0063	1	to longwords.
64	0064	1	V03-008 ACG0376 Andrew C. Goldstein, 22-Nov-1983 17:16
65	0065	1	Interface cleanup with VALIDATE UAFREC; fix error handling
66	0066	1	in GET_PROXY. Put batch input file name in PPDST_FILENAME.
67	0067	1	
68	0068	1	V03-007 GAS0183 Gerry Smith 16-Sep-1983
69	0069	1	For network logins, rearrange the code so that the
70	0070	1	node name gets set early on. This helps in both
71	0071	1	accounting and breakin evasion.
72	0072	1	
73	0073	1	V03-006 GAS0164 Gerry Smith 30-Jul-1983
74	0074	1	Change the method of disabling logical name translation
75	0075	1	in RMS calls to use the new ACMODES field.
76	0076	1	
77	0077	1	V03-005 MLJ0115 Martin L. Jack, 29-Jul-1983 10:29
78	0078	1	Update for new log file error handling.
79	0079	1	
80	0080	1	V03-004 GAS0137 Gerry Smith 26-May-1983
81	0081	1	Do not signal a \$SNDJBC error when terminating a batch job.
82	0082	1	
83	0083	1	V03-003 GAS0123 Gerry Smith 19-Apr-1983
84	0084	1	Change interface to use SNDJBC for batch jobs. Also,
85	0085	1	if proxy access is requested and the NETUAF cannot be
86	0086	1	accessed, signal with a fatal error.
87	0087	1	
88	0088	1	V03-002 GAS0097 Gerry Smith 4-Jan-1983
89	0089	1	Fix the case of proxy login for wildcard entries.
90	0090	1	
91	0091	1	V03-001 GAS0057 Gerry Smith 17-Mar-1982
92	0092	1	Fix FABS to disable all but system
93	0093	1	logical name translation during open/creates.
94	0094	1	
95	0095	1	V03-010 MLJ34580 Martin L. Jack, 1-Feb-1982 0:55
96	0096	1	Make use of extensions to DJT record to set name and /NOTIFY
97	0097	1	status for log file print job. Correct queue name translation
98	0098	1	so that explicit queue name is not translated and implicit
99	0099	1	SYS\$PRINT uses standard queue-name translation modiroutine.
100	0100	1	
101	0101	1	V03-009 GAS0032 Gerry Smith 07-Jan-1982
102	0102	1	On proxy login, if no UAF record is found, return
103	0103	1	FALSE to indicate lookup failure.
104	0104	1	
105	0105	1	V03-008 GAS0031 Gerry Smith 04-Jan-1982
106	0106	1	Remove NETUAF structure definitions from this module.
107	0107	1	\$NAFDEF now resides in LIB.REQ.
108	0108	1	
109	0109	1	V03-007 SPF0050 Steve Forgey 01-Jan-1982
110	0110	1	Store remote node info in P1 space for network jobs.
111	0111	1	
112	0112	1	V03-006 GAS0029 Gerry Smith 31-Dec-1981
113	0113	1	Add proxy login for network jobs.
114	0114	1	


```

: 115      0115 1 | V03-005 HRJ0032      Herb Jacobs      12-Nov-1981
: 116      0116 1 |      Process batch queue WSEXTENT if passed, validate username
: 117      0117 1 |      as valid for batch job, and allow handler to stop a batch
: 118      0118 1 |      job.
: 119      0119 1 |
: 120      0120 1 | V004      TMH0004      Tim Halvorsen      26-Oct-1981
: 121      0121 1 |      Get ORIGUIC and OUTFNM from LGI area rather than from PPD.
: 122      0122 1 |      Add extra acmode argument to calls to exec_crelog
: 123      0123 1 |      Make use of global SYSSERROR descriptor, rather than
: 124      0124 1 |      re-translating the logical name again here.
: 125      0125 1 |
: 126      0126 1 | V003      GWF0073      Gary Fowler      27-Jul-1981
: 127      0127 1 |      Change job name to ASCII string. Increase maximum length of
: 128      0128 1 |      message that can be received from the job controller
: 129      0129 1 |
: 130      0130 1 | V002      TMH0002      Tim Halvorsen      16-Jul-1981
: 131      0131 1 |      Reference SHRLIB$ for shared require files.
: 132      0132 1 |
: 133      0133 1 | V03-001 GWF0051      Gary W. Fowler      29-May-1981
: 134      0134 1 |      Add file size in message sent when log file is queued for
: 135      0135 1 |      printing.
: 136      0136 1 | --
: 137      0137 1 |
: 138      0138 1 |
: 139      0139 1 | Include files
: 140      0140 1 |
: 141      0141 1 |
: 142      0142 1 | LIBRARY 'SYSS$LIBRARY:LIB';      ! VAX/VMS system definitions
: 143      0143 1 | REQUIRE 'SHRLIB$:UTILDEF';      ! Common BLISS definitions
: 144      0328 1 |
: 145      0329 1 | REQUIRE 'LIB$:PPDDEF';      ! Process permanent data region
: 146      0476 1 | REQUIRE 'LIB$:LGIDEF';      ! LOGINOUT private permanent storage
```

```
148 0547 1 |
149 0548 1 | Table of contents
150 0549 1 |
151 0550 1 |
152 0551 1 FORWARD ROUTINE
153 0552 1   init_batch:      NOVALUE,      | Initialize batch job step
154 0553 1   stop_batch_job: NOVALUE,      | Stop batch job stream
155 0554 1   terminate_batch: NOVALUE,      | Stop a batch job
156 0555 1   init_network:  NOVALUE,      | Initialize network job
157 0556 1   get_proxy:      NOVALUE,      | Get proxy username
158 0557 1 |
159 0558 1 |
160 0559 1 | External routines
161 0560 1 |
162 0561 1 |
163 0562 1 EXTERNAL ROUTINE
164 0563 1   close_output:      NOVALUE,      | Close primary output file
165 0564 1   validate_uafrec: NOVALUE,      | Read/validate UAF record
166 0565 1   get_uafrec:      NOVALUE,      | Read UAF record without validation
167 0566 1   logout_message: NOVALUE,      | Write logout message
168 0567 1   map_imgact:      NOVALUE,      | Map image activator code segment
169 0568 1   create_logical,  NOVALUE,      | Create logical name with LNM services
170 0569 1   set_sysprv:      NOVALUE,      | Turn on SYSPRV
171 0570 1   clear_sysprv:    NOVALUE,      | Turn off SYSPRV
172 0571 1   set_uic,         NOVALUE,      | Set process UIC
173 0572 1   set_node_name:   NOVALUE,      | Set remote node info in P1 space
174 0573 1   exit_process:    NOVALUE,      | Exit the process
175 0574 1   lib$fid_to_name; NOVALUE,      | Translate file ID to file name
176 0575 1 |
177 0576 1 |
178 0577 1 | Define literals
179 0578 1 |
180 0579 1 |
181 0580 1 |
182 0581 1 |
183 0582 1 | Define message codes
184 0583 1 |
185 0584 1 |
186 0585 1 EXTERNAL LITERAL
187 0586 1   lgi$_jbcmixup,
188 0587 1   lgi$_userauth,
189 0588 1   lgi$_netuafacc;
190 0589 1 |
191 0590 1 |
192 0591 1 | External storage
193 0592 1 |
194 0593 1 |
195 0594 1 EXTERNAL
196 0595 1   pcb_sts:      BITVECTOR,      | PCB status flags
197 0596 1   job_type,   NOVALUE,      | Job type code for JIB
198 0597 1   input_fab:  BBLOCK,        | Input FAB
199 0598 1   input_nam:  BBLOCK,        | Input NAM
200 0599 1   output_fab: BBLOCK,        | Output FAB
201 0600 1   output_nam: BBLOCK,        | Output NAM
202 0601 1   uaf_record: REF BBLOCK,    | Address of UAF record
203 0602 1   sys$input:  VECTOR,        | Translation of SYSS$INPUT
204 0603 1   sys$output: VECTOR,        | Translation of SYSS$OUTPUT
```


DETACHED
V04-000

J 11
16-Sep-1984 01:59:01 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:41:05 [LOGIN.SRC]DETACHED.B32;1

Page 5
(2)

:	205	0604	1	sys\$error;	VECTOR,	!	Translation of SYS\$ERROR
:	206	0605	1	ctl\$ag_clidata;		!	Process permanent data storage
:	207	0606	1				
:	208	0607	1	BIND			
:	209	0608	1	ppd = ctl\$ag_clidata: BBLOCK;		!	Address of PPD structure
:	210	0609	1				
:	211	0610	1				

```
0611 1 GLOBAL ROUTINE init_batch: NOVALUE =
0612 1
0613 1 ---
0614 1
0615 1 Perform batch initialization by requesting the job parameters
0616 1 from the job controller.
0617 1
0618 1 Inputs:
0619 1
0620 1 None
0621 1
0622 1 Outputs:
0623 1
0624 1 uaf_record = Address of UAF record for user
0625 1 ---
0626 1
0627 2 BEGIN
0628 2
0629 2 OWN
0630 2 jobname: VECTOR [43,BYTE], ! Must be static to be passed back
0631 2 logfile: VECTOR [nam$C_maxrss,BYTE]; ! to caller as output filespec
0632 2
0633 2 LOCAL
0634 2 username : VECTOR[2] ! Descriptor for username
0635 2 INITIAL(REP 2 OF (0)),
0636 2 logdesc: VECTOR [2], ! Logical name descriptor
0637 2 logname: VECTOR [2,BYTE], ! 2 character logical name
0638 2 ptr : REF VECTOR[WORD],
0639 2 length,
0640 2 buffer : VECTOR[500], ! SNDJBC message buffer
0641 2 flags : REF $BBLOCK INITIAL (0); ! Flags from job controller
0642 2
0643 2
0644 2 Check to see if at early termination of batch job.
0645 2
0646 2 IF .ppd [ppd$w_outifi] NEQ 0 ! If not first job step,
0647 2 AND NOT .ppd [ppd$l_lststatus] ! and job step failed,
0648 2 AND ((.ppd [ppd$l_lststatus] AND 6) NEQ 0) ! and its an error or fatal,
0649 2 THEN
0650 2 terminate_batch(0); ! Stop the batch job
0651 2
0652 2
0653 2 Request detached job step initialization parameters from job controller
0654 2
0655 2 BEGIN
0656 2 LOCAL
0657 2 status,
0658 2 iosb : VECTOR[2],
0659 2 itmlst : $ITMLST_DECL(ITEMS = 1);
0660 2
0661 2 $ITMLST_INIT(ITMLST = itmlst,
0662 2 (ITMCOB = sjc$ batch output,
0663 2 BUFSIZ = XALLOCATION(buffer),
0664 2 BUFADR = buffer));
0665 2 status = $SNDJBCW(FUNC = sjc$ batch_service,
0666 2 ITMLST = itmlst,
0667 2 IOSB = iosb);
```



```
270 0668 3 IF .status
271 0669 3 THEN status = .iosb[0];
272 0670 3 IF NOT .status
273 0671 3 THEN SIGNAL_STOP(.status);
274 0672 3 END;
275 0673 3
276 0674 3 |
277 0675 3 | Find the flags longword and the username.
278 0676 3 |
279 0677 3 ptr = buffer;
280 0678 3 WHILE true DO
281 0679 3 BEGIN
282 0680 3 IF .ptr[1] EQL 0
283 0681 3 THEN EXITLOOP;
284 0682 3 IF .ptr[1] EQL dji$k_flags
285 0683 3 THEN
286 0684 3 BEGIN
287 0685 3 flags = ptr[2];
288 0686 3 IF .flags[dji$terminate]
289 0687 3 THEN stop_batch_job(.flags, buffer, 0);
290 0688 3 IF .flags[dji$delete_file]
291 0689 3 THEN input_fab[fab$dt] = true;
292 0690 3 IF .flags[dji$restarting]
293 0691 3 THEN ppd[ppd$restart] = true;
294 0692 3 IF .username[1] NEQ 0
295 0693 3 OR .ppd[ppd$outifi] NEQ 0
296 0694 3 THEN EXITLOOP;
297 0695 3 END
298 0696 3 ELSE IF .ptr[1] EQL dji$username
299 0697 3 THEN
300 0698 3 BEGIN
301 0699 3 username[1] = ptr[2];
302 0700 3 IF .flags NEQ 0
303 0701 3 THEN EXITLOOP;
304 0702 3 END;
305 0703 3 ptr = ptr[2] + .ptr[0];
306 0704 3 END;
307 0705 3
308 0706 3 |
309 0707 3 | If this is the first job step, then do first_time_thru stuff.
310 0708 3 |
311 0709 3 IF .ppd [ppd$outifi] EQL 0 ! If this the first job step,
312 0710 3 THEN
313 0711 3 BEGIN
314 0712 3 job_type = jib$c_batch;
315 0713 3 !**username [0] = uaf$s_username; ! Setup descriptor of user name
316 0714 3 username [0] = 12; ! Setup descriptor of user name
317 0715 3 get_uafrec(username); ! Get user's UAF record
318 0716 3 IF .uaf_record EQL 0
319 0717 3 THEN
320 0718 3 SIGNAL_STOP(lgi$userauth); ! signal fatal error
321 0719 3 END;
322 0720 3
323 0721 3 |
324 0722 3 | Now to go thru all the data items in BUFFER, setting up the input and
325 0723 3 | output files as indicated, as well as working set parameters and cpu
326 0724 3 | time limit, if first job step.
```

```
327 0725 2 !
328 0726 2 logdesc[0] = 2; ! Set up the logical name descriptor
329 0727 2 logdesc[1] = logname;
330 0728 2 logname[0] = 'p';
331 0729 2
332 0730 2 output_fab[fab$b_fns] = 0; ! Initialize the file name
333 0731 2 ptr = buffer;
334 0732 2 WHILE true DO
335 0733 2 BEGIN
336 0734 2 CASE ptr[1] FROM 0 TO dji$k_wsquota OF
337 0735 2 SET
338 0736 2 [0] : EXITLOOP;
339 0737 2
340 0738 2 [dji$k_wsdefault] :
341 0739 2 IF .ppd[ppd$w_outifi] EQL 0 ! If first job step, set wsdefault
342 0740 2 THEN
343 0741 2 BEGIN
344 0742 2 IF .flags[dji$v_use_wsdefault]
345 0743 2 THEN uaf_record[uaf$l_dfwsent] = .(ptr[2])
346 0744 2 ELSE uaf_record[uaf$l_dfwsent] = MINU(.(ptr[2]),
347 0745 2 .uaf_record[uaf$l_dfwsent]);
348 0746 2 END;
349 0747 2
350 0748 2 [dji$k_wsextent] :
351 0749 2 IF .ppd[ppd$w_outifi] EQL 0 ! If first job step, set wsextent
352 0750 2 THEN
353 0751 2 BEGIN
354 0752 2 IF .flags[dji$v_use_wsextent]
355 0753 2 THEN uaf_record[uaf$l_wsextent] = .(ptr[2])
356 0754 2 ELSE uaf_record[uaf$l_wsextent] = MINU(.(ptr[2]),
357 0755 2 .uaf_record[uaf$l_wsextent]);
358 0756 2 END;
359 0757 2
360 0758 2 [dji$k_wsquota] :
361 0759 2 IF .ppd[ppd$w_outifi] EQL 0 ! If first job step, set wsquota
362 0760 2 THEN
363 0761 2 BEGIN
364 0762 2 IF .flags[dji$v_use_wsquota]
365 0763 2 THEN uaf_record[uaf$l_wsquota] = .(ptr[2])
366 0764 2 ELSE uaf_record[uaf$l_wsquota] = MINU(.(ptr[2]),
367 0765 2 .uaf_record[uaf$l_wsquota]);
368 0766 2 END;
369 0767 2
370 0768 2 [dji$k_cpu_maximum] :
371 0769 2 IF .ppd[ppd$w_outifi] EQL 0 ! If first job step, set CPU time limit
372 0770 2 THEN
373 0771 2 BEGIN
374 0772 2 IF .flags[dji$v_use_cpu_maximum]
375 0773 2 THEN uaf_record[uaf$l_cputim] = .(ptr[2])
376 0774 2 ELSE uaf_record[uaf$l_cputim] = MINU(.(ptr[2])-1, ! So that 0 > all others
377 0775 2 .uaf_record[uaf$l_cputim]-1) + 1;
378 0776 2 END;
379 0777 2
380 0778 2 [dji$k_job_name] :
381 0779 2 BEGIN ! Setup output log file name from job name
382 0780 2 length = .ptr[0]; ! get length of job name
383 0781 2 CH$MOVE(.length,
```



```
384      ptr[2],
385      jobname);
386      CHSMOVE(4, UPLIT BYTE('.LOG'), jobname + .length);
387      output_fab [fab$l_dna] = jobname; ! Set default to <jobname>.LOG
388      output_fab [fab$b_dns] = .length + 4;
389      END;
390
391      [dji$k_log_specification] :
392      BEGIN ! Set up the log file name
393      output_fab[fab$b_fns] = .ptr[0];
394      output_fab[fab$l_fna] = logfile;
395      CHSMOVE(.ptr[0],
396      ptr[2],
397      logfile);
398      END;
399
400      [dji$k_file_identification] : ! Batch input file
401      BEGIN
402      LOCAL
403      name_desc : VECTOR [2],
404      dvi_desc : VECTOR [2],
405      name_length : WORD;
406      CHSMOVE(ppd$c_dvifid,
407      ptr[2],
408      input_nam[nam$t_dvi]);
409      input_fab [fab$v_nam] = true; ! Mark to open input by NAM block
410      ! Get input file name for CLI
411      name_desc[0] = ppd$s_filename-1;
412      name_desc[1] = ppd[ppd$t_filename]+1;
413      dvi_desc[0] = VECTOR [input_nam[nam$t_dvi], 0; ,BYTE];
414      dvi_desc[1] = input_nam[nam$t_dvi]+1;
415      IF [lib$fid_to_name (dvi_desc, input_nam[nam$w_fid],
416      name_desc, name_length)
417      THEN VECTOR [ppd[ppd$t_filename], 0; ,BYTE] = .name_length;
418      END;
419
420      [dji$k_parameter_1 TO dji$k_parameter_8] :
421      BEGIN
422      LOCAL
423      desc: VECTOR[2];
424      desc[0] = .ptr[0];
425      desc[1] = ptr[2];
426      logname [1] = '1' + .ptr[1] - dji$k_parameter_1;
427      create_logical(logdesc, ! Create Pn logical name
428      desc,
429      psl$c_user);
430      END;
431
432      [dji$k_restart] :
433      BEGIN
434      LOCAL
435      desc : VECTOR[2];
436      desc[0] = .ptr[0];
437      desc[1] = ptr[2];
438      create_logical(%ASCID 'BATCH$RESTART',
439      desc,
440      psl$c_user);
```

```

.TITLE      DETACHED
.IDENT      \V04-000\

.PSECT      $SPLITS,NOWRT,NOEXE,2

.ASCII      \.LOG\
.ASCII      \BATCH$RESTART\<0><0><0>

.LONG        17694733
.ADDRESS     P.AAC
.ASCII      \_NL:\

```

.PSECT SOWNS,NOEXE,2

```
00000 JOBNAME: .BLKB      43
0002B      .BLKB          1
0002C LOGFILE: .BLKB     255
```

```

. EXTRN CLOSE OUTPUT, VALIDATE UAFREC
. EXTRN GET_UAFREC, LOGOUT_MESSAGE
. EXTRN MAP_IMGACT, CREATE_LOGICAL
. EXTRN SET_SYSPRV, CLEAR_SYSPRV
. EXTRN SET_UIC, SET_NODE_NAME
. EXTRN EXIT_PROCESS, LIB$FID TO NAME
. EXTRN LGIS_JBCMIXUP, LGIS_USERAUTH
. EXTRN LGIS_NETUAFACC, PCB_STS
. EXTRN JOB_TYPE, INPUT_FAB
. EXTRN INPUT_NAM, OUTPUT_FAB
. EXTRN OUTPUT_NAM, UAF_RECORD
. EXTRN SYSS$INPUT, SYSS$OUTPUT
. EXTRN SYSS$ERROR, CTL$AG_CLIDATA
. EXTRN SYSS$NDJBCW

```

.PSECT SCODES,NOWRT,2

0FFC 00000
5B 00000000G 00 9E 00002

```
.ENTRY INIT_BATCH, Save R2,R3,R4,R5,R6,R7,R8,R9,- : 0611
      R10,R11 :
MOVAB UAF_RECORD, R11 :
```


5A	00000000G	00	9E	00009	MOVAB	OUTPUT_FAB+52, R10	:
59	00000000G	00	9E	00010	MOVAB	PPD+36, R9	:
5E	F800	CE	9E	00017	MOVAB	-2048(SP), SP	:
	F8	AD	7C	0001C	CLRQ	USERNAME	0627
		57	D4	0001F	CLRL	FLAGS	:
		69	B5	00021	TSTW	PPD+36	0646
		11	13	00023	BEQL	1\$:
0D	F4	A9	E8	00025	BLBS	PPD+24, 1\$	0647
06	F4	A9	93	00029	BITB	PPD+24, #6	0648
		07	13	0002D	BEQL	1\$:
		7E	D4	0002F	CLRL	-(SP)	0650
0000V	CF	01	FB	00031	CALLS	#1, TERMINATE BATCH	:
50	08	AE	9E	00036	MOVAB	ITMLST, \$\$ITMBLKPTR	0664
80	000B07D0	8F	D0	0003A	MOVL	#722896, (\$\$ITMBLKPTR)+	:
80	20	AE	9E	00041	MOVAB	BUFFER, (\$\$ITMBLKPTR)+	:
		80	7C	00045	CLRQ	(\$\$ITMBLKPTR)+	:
		7E	7C	00047	CLRQ	-(SP)	0667
		20	AE	9F	PUSHAB	IOSB	:
		14	AE	9F	PUSHAB	ITMLST	:
7E		07	7D	0004F	MOVQ	#7, -(SP)	:
		7E	D4	00052	CLRL	-(SP)	:
00000000G	00	07	FB	00054	CALLS	#7, SYSSNDJBCW	0668
07		50	E9	0005B	BLBC	STATUS, 2\$	0669
50	18	AE	D0	0005E	MOVL	IOSB, STATUS	0670
09		50	E8	00062	BLBS	STATUS, 3\$	0671
		50	DD	00065	PUSHL	STATUS	:
00000000G	00	01	FB	00067	CALLS	#1, LIB\$STOP	0677
56	20	AE	9E	0006E	MOVAB	BUFFER, PTR	0680
50	02	A6	3C	00072	MOVZWL	2(PTR), R0	:
		4D	13	00076	BEQL	11\$:
03		50	B1	00078	CMPL	R0, #3	0682
		30	12	0007B	BNEQ	8\$:
57	04	A6	9E	0007D	MOVAB	4(R6), FLAGS	0685
67		06	E1	00081	BBC	#6, (FLAGS), 5\$	0686
		7E	D4	00085	CLRL	-(SP)	0687
		24	AE	9F	PUSHAB	BUFFER	:
		57	DD	0008A	PUSHL	FLAGS	:
0000V	CF	03	FB	0008C	CALLS	#3, STOP_BATCH_JOB	0688
08		67	E9	00091	BLBC	(FLAGS), -6\$	0689
00000000G	00	8F	88	00094	BISB2	#128, INPUT_FAB+5	0690
67		05	E1	0009C	BBC	#5, (FLAGS), 7\$	0691
DE	A9	10	88	000A0	BISB2	#16, PPD+2	0692
		FC	AD	D5	TSTL	USERNAME+4	:
			1C	12	BNEQ	11\$	0693
		69	B5	000A9	TSTW	PPD+36	:
		0C	11	000AB	BRB	9\$	0696
10		50	B1	000AD	CMPL	R0, #16	:
		09	12	000B0	BNEQ	10\$	0699
FC	AD	04	A6	9E	MOVAB	4(R6), USERNAME+4	0700
		57	D5	000B7	TSTL	FLAGS	:
		0A	12	000B9	BNEQ	11\$	0703
50		66	3C	000BB	MOVZWL	(PTR), R0	:
56		04	A046	9E	MOVAB	4(R0)[PTR], PTR	0678
			AD	11	BRB	4\$	0709
		69	B5	000C5	TSTW	PPD+36	:
		26	12	000C7	BNEQ	12\$	0712
00000000G	00	02	D0	000C9	MOVL	#2, JOB_TYPE	:

0158	00DE	007E	0163	00108	14\$:	MOV	#12, USERNAME	0714
0126	00CC	0158	00AB	00110		PUSHAB	USERNAME	0715
0126	0126	0126	0126	00118		CALLS	#1, GET UAFREC	
013F	0126	0126	0126	00120		TSTL	UAF_RECORD	0716
0057	0045	002A	0158	00128		BNEQ	12\$	
						PUSHL	#LGIS, USERAUTH	0718
						CALLS	#1, LIB\$STOP	
						MOVL	#2, LOGDESC	0726
						MOVAB	LOGNAME, LOGDESC+4	0727
						MOV	#80, LOGNAME	0728
						CLRB	OUTPUT_FAB+52	0730
						MOVAB	BUFFER, PTR	0731
						CASEW	2(PTR), #0, #19	0734
						.WORD	37\$-14\$,-	
							23\$-14\$,-	
							31\$-14\$,-	
							36\$-14\$,-	
							27\$-14\$,-	
							36\$-14\$,-	
							29\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							33\$-14\$,-	
							34\$-14\$,-	
							36\$-14\$,-	
							15\$-14\$,-	
							17\$-14\$,-	
							18\$-14\$,-	
							26\$	
						BRB	PPD+36	0739
						TSTW	26\$	
						BNEQ	26\$	
						MOVL	UAF_RECORD, R0	0743
						MOVAB	544(R0), R1	
						BLBS	1(FLAGS), 19\$	0742
						MOVL	4(PTR), R0	0745
						CMPL	R0, (R1)	
						BGTRU	21\$	
						BRB	22\$	0744
						TSTW	PPD+36	0749
						BNEQ	26\$	
						MOVL	UAF_RECORD, R0	0753
						MOVAB	548(R0), R1	
						BBS	#9, (FLAGS), 19\$	0752
						BRB	16\$	0755
						TSTW	PPD+36	0759
						BNEQ	28\$	
						MOVL	UAF_RECORD, R0	0763
						MOVAB	540(R0), R1	
						BBC	#10, (FLAGS), 20\$	0762
						MOVL	4(PTR), (R1)	0763
						BRB	30\$	
						MOVL	4(PTR), R0	0765

61	50	D1	00179	CMPL	R0, (R1)	
50	03	1B	0017C	BLEQU	22\$	
61	61	D0	0017E	21\$:	MOVL	(R1), R0
	50	D0	00181	22\$:	MOVL	R0, (R1)
	5E	11	00184	BRB	30\$	
	69	B5	00186	23\$:	TSTW	PPD+36
	5A	12	00188	BNEQ	30\$	
50	6B	D0	0018A	MOVL	UAF RECORD, R0	0773
50	022C	C0	9E 0018D	MOVAB	556(R0), R0	
	67	95	00192	TSTB	(FLAGS)	0772
	06	18	00194	BGEQ	24\$	
60	04	A6	D0 00196	MOVL	4(PTR), (R0)	0773
	48	11	0019A	BRB	30\$	
52	04	A6	01 C3 0019C	24\$:	SUBL3	#1, 4(PTR), R2
51		60	01 C3 001A1		SUBL3	#1, (R0), R1
		51	52 D1 001A5		CMPL	R2, R1
		52	03 1B 001A8		BLEQU	25\$
		60	51 D0 001AA		MOVL	R1, R2
			A2 9E 001AD	25\$:	MOVAB	1(R2), (R0)
			79 11 001B1	26\$:	BRB	32\$
0000'	CF	04	58 66 3C 001B3	27\$:	MOVZWL	(PTR), LENGTH
			58 28 001B6		MOVC3	LENGTH, 4(PTR), JOBNAME
			48 9F 001BD		PUSHAB	JOBNAME[LENGTH]
			9E 0000' CF D0 001C2		MOVL	P.AAA, 3(SP)+
01	AA	FC	58 0000' CF 9E 001C7		MOVAB	JOBNAME, OUTPUT FAB+48
			04 81 001CD		ADDB3	#4, LENGTH, OUTPUT_FAB+53
			58 11 001D2	28\$:	BRB	32\$
			66 90 001D4	29\$:	MOVB	(PTR), OUTPUT FAB+52
			0000' CF 9E 001D7		MOVAB	LOGFILE, OUTPUT FAB+44
0000'	CF	F8	66 28 001DD		MOVC3	(PTR), 4(PTR), LOGFILE
		04	7A 11 001E4	30\$:	BRB	36\$
00000000G	00	04	1C 28 001E6	31\$:	MOVC3	#28, 4(PTR), INPUT_NAM+20
		00	01 88 001EF		BISB2	#1, INPUT FAB+7
		18	AE FF 8F 9A 001F6		MOVZBL	#255, NAME_DESC
		1C	AE 45 A9 9E 001FB		MOVAB	PPD+105, NAME_DESC+4
		10	AE 00000000G 00 9A 00200		MOVZBL	INPUT_NAM+20, DVI_DESC
		14	AE 00000000G 00 9E 00208		MOVAB	INPUT_NAM+21, DVI_DESC+4
			5E DD 00210		PUSHL	SP
			1C AE 9F 00212		PUSHAB	NAME_DESC
			00000000G 00 9F 00215		PUSHAB	INPUT_NAM+36
			1C AE 9F 00218		PUSHAB	DVI_DESC
			04 FB 0021E		CALLS	#4, LIB\$FID_TO_NAME
			50 E9 00225		BLBC	R0, 36\$
			6E 90 00228		MOVB	NAME_LENGTH, PPD+104
			32 11 0022C	32\$:	BRB	36\$
			66 3C 0022E	33\$:	MOVZWL	(PTR), DESC
			A6 9E 00232		MOVAB	4(R6), DESC+4
05	AE	02	2A 81 00237		ADDB3	#42, 2(PTR), LOGNAME+1
			03 DD 0023D		PUSHL	#3
			1C AE 9F 0023F		PUSHAB	DESC
			F0 AD 9F 00242		PUSHAB	LOGDESC
			12 11 00245		BRB	35\$
			66 3C 00247	34\$:	MOVZWL	(PTR), DESC
			1C AE 9E 0024B		MOVAB	4(R6), DESC+4
			03 DD 00250		PUSHL	#3
			1C AE 9F 00252		PUSHAB	DESC
			0000' CF 9F 00255		PUSHAB	P.AAB

DETACHED
V04-000

F 12
16-Sep-1984 01:59:01
14-Sep-1984 12:41:05

VAX-11 Bliss-32 V4.0-742
[LOGIN.SRC]DETACHED.B32;1

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00000000G	00	03	FB	00259	35\$:	CALLS	#3, CREATE_LOGICAL	:	
	50	66	3C	00260	36\$:	MOVZWL	(PTR), R0	:	0844
	56	04	A046	9E	00263	MOVAB	4(R0)[PTR], PTR	:	
		FE98	31	00268		BRW	13\$:	0732
09	67	02	E1	0026B	37\$:	BBC	#2, (FLAGS), 38\$:	0847
	6A	04	90	0026F		MOVB	#4, OUTPUT_FAB+52	:	0850
F8	AA	0000'	CF	9E	00272	MOVAB	P.AAD, OUTPUT_FAB+44	:	0851
			04	00278	38\$:	RET		:	0855

; Routine Size: 633 bytes, Routine Base: \$CODE\$ + 0000


```

459 0856 1 GLOBAL ROUTINE terminate_batch(signal_args : REF $BBLOCK): NOVALUE =
460 0857 1
461 0858 1 |---
462 0859 1
463 0860 1 |       Request a job controller termination message, then stop batch job.
464 0861 1
465 0862 1 |       Inputs:
466 0863 1 |       Signal arguments or 0.
467 0864 1
468 0865 1 |       Outputs:
469 0866 1
470 0867 1 |       Job termination, no return, exit via exit process
471 0868 1 |---
472 0869 1
473 0870 2 BEGIN
474 0871 2
475 0872 2 LOCAL
476 0873 2     status,                ! Status return from SNDJBC
477 0874 2     input_buffer:        $BBLOCK[50],    ! SNDJBC input buffer
478 0875 2     buffer:             $BBLOCK[500],    ! SNDJBC output buffer
479 0876 2     p : REF $BBLOCK,      ! Cursor for input buffer
480 0877 2     ptr : REF VECTOR[,WORD], ! Pointer to buffer contents
481 0878 2     iosb : VECTOR[2],      ! Final status from SNDJBC
482 0879 2     itmlst : $ITMLST_DECL(ITEMS = 2); ! SNDJBC item list
483 0880 2
484 0881 2
485 0882 2 |
486 0883 2 | Initialize SNDJBC input buffer.
487 0884 2 |
488 0885 2 p = input_buffer;
489 0886 2
490 0887 2 p[dji$w_item_code] = dji$k_input_flags; ! Inhibit return of a file
491 0888 2 p[dji$w_item_size] = 4;
492 0889 2 p = .p + dji$s_item_header;
493 0890 2 .p = dji$m_no_file;
494 0891 2 p = .p + 4;
495 0892 2
496 0893 2 IF .signal_args NEQA 0                ! If signal arguments present
497 0894 2 THEN
498 0895 2     BEGIN
499 0896 2     LOCAL
500 0897 2         i:                REF $BBLOCK;    ! Pointer to item header
501 0898 2
502 0899 2         i = i;
503 0900 2         p[dji$w_item_code] = dji$k_condition_vector;
504 0901 2         p[dji$w_item_size] = 4;
505 0902 2         p = .p + dji$s_item_header;
506 0903 2         .p = .signal_args[4,0,32,0];        ! Primary condition
507 0904 2         p = .p + 4;
508 0905 2         IF .signal_args[0,0,8,0] GEQU 3
509 0906 2         THEN
510 0907 2             BEGIN
511 0908 2                 i[dji$w_item_size] = 8;
512 0909 2                 .p = .signal_args[12,0,32,0]; ! STS, if present
513 0910 2                 p = .p + 4;
514 0911 2             END;
515 0912 2         IF .signal_args[0,0,8,0] GEQU 4
```

```

: 516      0913 3      THEN
: 517      0914 4      BEGIN
: 518      0915 4      i[dji$w_item_size] = 12;
: 519      0916 4      .p = .signal_args[16,0,32,0]; ! STV, if present
: 520      0917 4      p = .p + 4;
: 521      0918 4      END;
: 522      0919 4      END;
: 523      0920 4      .p = 0; ! Zero terminate list
: 524      0921 4
: 525      0922 4
: 526      0923 4
: 527      0924 4      ! Request parameters from job controller.
: 528      0925 4
: 529      0926 4      $ITMLST_INIT(ITMLST = itmlst,
: 530      0927 4      (ITMCO = sjc$ batch input,
: 531      0928 4      BUFSIZ = %ALLOCATION(input_buffer),
: 532      0929 4      BUFADR = input_buffer),
: 533      0930 4      (ITMCO = sjc$ batch output,
: 534      0931 4      BUFSIZ = %ALLOCATION(buffer),
: 535      0932 4      BUFADR = buffer));
: 536      0933 4      status = $SNDJBCW(FUNC = sjc$ batch_service,
: 537      0934 4      ITMLST = itmlst,
: 538      0935 4      IOSB = iosb);
: 539      0936 4      IF .status
: 540      0937 4      THEN status = .iosb[0];
: 541      0938 4      IF NOT .status
: 542      0939 4      THEN stop_batch_job(UPLIT(0), 0, .signal_args);
: 543      0940 4
: 544      0941 4      !
: 545      0942 4      Look for the flags word. Once that is found, we can call the routine
: 546      0943 4      to actually stop this job.
: 547      0944 4
: 548      0945 4      ptr = buffer;
: 549      0946 4      WHILE .(ptr[0]) NEQ 0 DO
: 550      0947 4      BEGIN
: 551      0948 4      IF .ptr[1] EQL dji$k_flags
: 552      0949 4      THEN stop_batch_job(ptr[2], buffer, .signal_args);
: 553      0950 4      ptr = ptr[2] + .ptr[0];
: 554      0951 4      END;
: 555      0952 4
: 556      0953 4
: 557      0954 1      END;
```

```

                                .PSECT $SPLITS,NOWRT,NOEXE,2
                                00000000 00020 P.AAE: .LONG 0
                                ;

                                .PSECT $CODE$,NOWRT,2
                                .ENTRY TERMINATE_BATCH, Save R2,R3
                                MOVAB -588(SP), SP
                                MOVAB INPUT_BUFFER, P
                                MOVL #2147418108, (P)+
                                : 0856
                                : 0885
                                : 0888
```


80		01	D0	00012	MOVL	#1, (P)+	0890
53	04	AC	D0	00015	MOVL	SIGNAL_ARGS, R3	0893
		26	13	00019	BEQL	2\$	
51		50	D0	0001B	MOVL	P, I	0899
80	80020004	8F	D0	0001E	MOVL	#-2147352572, (P)+	0901
80		A3	D0	00025	MOVL	4(R3), (P)+	0903
03	04	63	91	00029	CMPB	(R3), #3	0905
		07	1F	0002C	BLSSU	1\$	
61		08	B0	0002E	MOVW	#8, (I)	0908
80	0C	A3	D0	00031	MOVL	12(R3), (P)+	0909
04		63	91	00035	CMPB	(R3), #4	0912
		07	1F	00038	BLSSU	2\$	
61		0C	B0	0003A	MOVW	#12, (I)	0915
80	10	A3	D0	0003D	MOVL	16(R3), (P)+	0916
		60	D4	00041	CLRL	(P)	0920
50		6E	9E	00043	MOVAB	ITMLST, \$\$ITMBLKPTR	0932
80	000A0032	8F	D0	00046	MOVL	#655410, (\$\$ITMBLKPTR)+	
80	CC	AD	9E	0004D	MOVAB	INPUT_BUFFER, (\$\$ITMBLKPTR)+	
		80	D4	00051	CLRL	(\$\$ITMBLKPTR)+	
80	000B01F4	8F	D0	00053	MOVL	#721396, (\$\$ITMBLKPTR)+	
80	24	AE	9E	0005A	MOVAB	BUFFER, (\$\$ITMBLKPTR)+	
		80	7C	0005E	CLRL	(\$\$ITMBLKPTR)+	
		7E	7C	00060	CLRL	-(SP)	0935
	24	AE	9F	00062	PUSHAB	IOSB	
	0C	AE	9F	00065	PUSHAB	ITMLST	
7E		07	7D	00068	MOVQ	#7, -(SP)	
		7E	D4	0006B	CLRL	-(SP)	
00000000G	00	07	FB	0006D	CALLS	#7, SYSSNDJBCW	
	07	50	E9	00074	BLBC	STATUS, 3\$	0936
	1C	AE	D0	00077	MOVL	IOSB, STATUS	0937
0D		50	E8	0007B	BLBS	STATUS, 4\$	0938
		53	DD	0007E	PUSHL	R3	0939
		7E	D4	00080	CLRL	-(SP)	
	0000'	CF	9F	00082	PUSHAB	P.AAE	
0000V	CF	03	FB	00086	CALLS	#3, STOP_BATCH_JOB	
	52	24	AE	0008B	MOVAB	BUFFER, PTR	0945
		62	D5	0008F	TSTL	(PTR)	0946
		1D	13	00091	BEQL	7\$	
03	02	A2	B1	00093	CMPW	2(PTR), #3	0948
		0D	12	00097	BNEQ	6\$	
		53	DD	00099	PUSHL	R3	0949
	28	AE	9F	0009B	PUSHAB	BUFFER	
	04	A2	9F	0009E	PUSHAB	4(PTR)	
0000V	CF	03	FB	000A1	CALLS	#3, STOP_BATCH_JOB	
	50	62	3C	000A6	MOVZWL	(PTR), R0	0950
	52	04	9E	000A9	MOVAB	4(R0)[PTR], PTR	
		DF	11	000AE	BRB	5\$	0946
		04	000B0	7\$:	RET		0954

; Routine Size: 177 bytes, Routine Base: \$CODE\$ + 0279

```
559 0955 1 ROUTINE stop_batch_job (flags, buffer, signal_args): NOVALUE =
560 0956 1
561 0957 1 ---
562 0958 1
563 0959 1 This routine is called to terminate a job stream as a result
564 0960 1 of an operator request or failure of an individual job step.
565 0961 1
566 0962 1 Inputs:
567 0963 1
568 0964 1 flags = Address of flags longword from job controller
569 0965 1 djt = Address of entire buffer from job controller
570 0966 1
571 0967 1 Outputs:
572 0968 1
573 0969 1 There is no return - the image is exited.
574 0970 1 ---
575 0971 1
576 0972 2 BEGIN
577 0973 2
578 0974 2 MAP
579 0975 2 flags : REF $BBLOCK, ! Address of options longword
580 0976 2 signal_args : REF $BBLOCK; ! Address of signal arguments or 0
581 0977 2
582 0978 2 BIND
583 0979 2 lgi = .ppd [ppd$l_lgi]: BBLOCK; ! Address the LGI area
584 0980 2
585 0981 2
586 0982 2
587 0983 2 Write the logout message.
588 0984 2
589 0985 2 logout_message(); ! Write logout message
590 0986 2
591 0987 2
592 0988 2
593 0989 2 IF .flags[dji$v_log_delete] ! If delete of output file requested
594 0990 2 AND NOT .flags[dji$v_log_spool] ! and no print,
595 0991 2 THEN
596 0992 2 output_fab [fab$v_dlt] = true; ! then set to delete on close
597 0993 2
598 0994 2 $CMEXEC(ROUTIN = close_output); ! Close log file so we can print it
599 0995 2
600 0996 2 $CMKRNL(ROUTIN = set_uic, ARGST = .lgi [lgi$l_origuic]); ! Reset UIC
601 0997 2
602 0998 2 IF .flags[dji$v_log_spool] ! If output file is to be printed
603 0999 2 THEN
604 1000 2 BEGIN
605 1001 2 LOCAL
606 1002 2 wrdptr : REF VECTOR[WORD],
607 1003 2 ptr : REF VECTOR, ! Pointer to item list
608 1004 2 queue_name : VECTOR[2] ! Place for queue name
609 1005 2 INITIAL(0,0),
610 1006 2 job_name : VECTOR[2] ! Place for job name
611 1007 2 INITIAL(0,0),
612 1008 2 itmlst : VECTOR[30], ! Item list for SNDJBC
613 1009 2 input_buffer : VECTOR[128]; ! Batch input item
614 1010 2
615 1011 2 !
```



```
616 1012 : We need to find the queue name, as well as the job name, before starting
617 1013 : to fill out the itemlist.
618 1014 :
619 1015 wrdptr = .buffer; ! Point at the buffer
620 1016 WHILE true DO ! Go thru buffer
621 1017 BEGIN
622 1018 IF .wrdptr[1] EQL 0
623 1019 THEN EXITLOOP;
624 1020 IF .wrdptr[1] EQL dji$k_log_queue
625 1021 THEN
626 1022 BEGIN
627 1023 queue_name[0] = .wrdptr[0];
628 1024 queue_name[1] = wrdptr[2];
629 1025 IF .job_name[1] NEQ 0
630 1026 THEN EXITLOOP;
631 1027 END
632 1028 ELSE IF .wrdptr[1] EQL dji$k_job_name
633 1029 THEN
634 1030 BEGIN
635 1031 job_name[0] = .wrdptr[0];
636 1032 job_name[1] = wrdptr[2];
637 1033 IF .queue_name[1] NEQ 0
638 1034 THEN EXITLOOP;
639 1035 END;
640 1036 wrdptr = wrdptr[2] + .wrdptr[0];
641 1037 END;
642 1038 :
643 1039 If no queue name was found, then use SYSS$PRINT.
644 1040 :
645 1041 IF .queue_name[0] EQL 0
646 1042 THEN
647 1043 BEGIN
648 1044 queue_name[0] = %CHARCOUNT('SYSS$PRINT');
649 1045 queue_name[1] = UPLIT BYTE('SYSS$PRINT');
650 1046 END;
651 1047 :
652 1048 Now to fill in the itemlist.
653 1049 :
654 1050 ptr = itmlst; ! Start at beginning of item list
655 1051 :
656 1052 The queue name is either in the JBC buffer, or else we should use
657 1053 SYSS$PRINT.
658 1054 :
659 1055 ptr[0] = sjc$queue^16 OR .queue_name[0];
660 1056 ptr[1] = .queue_name[1];
661 1057 ptr[2] = 0;
662 1058 ptr = ptr[3];
663 1059 :
664 1060 Also put in the job name.
665 1061 :
666 1062 ptr[0] = sjc$job_name^16 OR .job_name[0];
667 1063 ptr[1] = .job_name[1];
668 1064 ptr[2] = 0;
669 1065 ptr = ptr[3];
670 1066 :
671 1067 Add /NOTIFY if requested.
672 1068 :
```

```

673 1069 3      IF .flags[dji$w_notify]
674 1070 3      THEN
675 1071 4          BEGIN
676 1072 4              ptr[0] = sjc$notify^16;
677 1073 4              ptr[1] = ptr[2] = 0;
678 1074 4              ptr = ptr[3];
679 1075 3          END;
680 1076 3
681 1077 3      | If the log file exists, add its information.
682 1078 3
683 1079 3      IF CH$RCHAR(ppd[ppd$st_outdvi]) NEQ 0
684 1080 3      THEN
685 1081 4          BEGIN
686 1082 4
687 1083 4      | File ID
688 1084 4
689 1085 4          ptr[0] = sjc$file_identification^16 OR ppd$sc_dvifid;
690 1086 4          ptr[1] = ppd[ppd$st_outdvi];
691 1087 4          ptr[2] = 0;
692 1088 4          ptr = ptr[3];
693 1089 4
694 1090 4      | Add /DELETE if requested.
695 1091 4
696 1092 4          IF .flags[dji$w_log_delete]
697 1093 4          THEN
698 1094 5              BEGIN
699 1095 5                  ptr[0] = sjc$delete_file^16;
700 1096 5                  ptr[1] = ptr[2] = 0;
701 1097 5                  ptr = ptr[3];
702 1098 4              END;
703 1099 4
704 1100 4      | The log file always gets a header page.
705 1101 4
706 1102 4          ptr[0] = sjc$page_header^16;
707 1103 4          ptr[1] = ptr[2] = 0;
708 1104 4          ptr = ptr[3];
709 1105 4          END
710 1106 4
711 1107 4      | If no log file exists, attempt to print messages.
712 1108 4
713 1109 3      ELSE IF .signal_args NEQA 0
714 1110 3      THEN
715 1111 4          BEGIN
716 1112 4              LOCAL
717 1113 4                  i : REF $BBLOCK,      ! Pointer to item header
718 1114 4                  p : REF $BBLOCK;      ! Pointer to input buffer
719 1115 4
720 1116 4              p = i = input_buffer;
721 1117 4              p[dji$w_item_code] = dji$w_condition_vector;
722 1118 4              p[dji$w_item_size] = 4;
723 1119 4              p = .p + dji$w_item_header;
724 1120 4              .p = .signal_args[4,0,32,0];      ! Primary condition
725 1121 4              p = .p + 4;
726 1122 4              IF .signal_args[0,0,8,0] GEQU 3
727 1123 4              THEN
728 1124 5                  BEGIN
729 1125 5                      i[dji$w_item_size] = 8;
```



```

: 730      1126 5      .p = .signal_args[12,0,32,0];      ! STS, if present
: 731      1127 5      p = .p + 4;
: 732      1128 4      END;
: 733      1129 4      IF .signal_args[0,0,8,0] GEQU 4
: 734      1130 4      THEN
: 735      1131 5      BEGIN
: 736      1132 5      i[dji$w_item_size] = 12;
: 737      1133 5      .p = .signal_args[16,0,32,0];      ! STV, if present
: 738      1134 5      p = .p + 4;
: 739      1135 4      END;
: 740      1136 4
: 741      1137 4      IF .output_nam[nam$b_rsl] NEQ 0
: 742      1138 4      THEN
: 743      1139 5      BEGIN
: 744      1140 5      p[dji$w_item_code] = dji$k_file_specification;
: 745      1141 5      p[dji$w_item_size] = .output_nam[nam$b_rsl];
: 746      1142 5      p = .p + dji$s_item_header;
: 747      1143 5      p = CHSMOVE(
: 748      1144 5      .output_nam[nam$b_rsl],
: 749      1145 5      .output_nam[nam$l_rsa],
: 750      1146 5      .p);
: 751      1147 5      END
: 752      1148 4      ELSE IF .output_nam[nam$b_esl] NEQ 0
: 753      1149 4      THEN
: 754      1150 5      BEGIN
: 755      1151 5      p[dji$w_item_code] = dji$k_file_specification;
: 756      1152 5      p[dji$w_item_size] = .output_nam[nam$b_esl];
: 757      1153 5      p = .p + dji$s_item_header;
: 758      1154 5      p = CHSMOVE(
: 759      1155 5      .output_nam[nam$b_esl],
: 760      1156 5      .output_nam[nam$l_esa],
: 761      1157 5      .p);
: 762      1158 5      END
: 763      1159 4      ELSE
: 764      1160 5      BEGIN
: 765      1161 5      p[dji$w_item_code] = dji$k_file_specification;
: 766      1162 5      p[dji$w_item_size] = .output_fab[fab$b_fns];
: 767      1163 5      p = .p + dji$s_item_header;
: 768      1164 5      p = CHSMOVE(
: 769      1165 5      .output_fab[fab$b_fns],
: 770      1166 5      .output_fab[fab$l_fna],
: 771      1167 5      .p);
: 772      1168 4      END;
: 773      1169 4
: 774      1170 4      .p = 0;      ! Zero terminate list
: 775      1171 4      p = .p + 4;
: 776      1172 4
: 777      1173 4      ptr[0] = sjc$batch_input^16 OR (.p - input_buffer);
: 778      1174 4      ptr[1] = input_buffer;
: 779      1175 4      ptr[2] = 0;
: 780      1176 4      ptr = ptr[3];
: 781      1177 3      END;
: 782      1178 3
: 783      1179 3      Done. Put in a zero longword
: 784      1180 3      ptr[0] = 0;
: 785      1181 3
: 786      1182 3
```

```
: 787      P 1183 3    $SNDJBCW(FUNC = sjc$ _enter_file,  
: 788      1184 3      ITMLST = itm1st);  
: 789      1185 2      END;  
: 790      1186 2  
: 791      1187 2    $CMEXEC(ROUTIN = exit_process);      ! Terminate process  
: 792      1188 2  
: 793      1189 1    END;
```

```
                                .PSECT $SPLITS,NOWRT,NOEXE,2  
54 4E 49 52 50 24 53 59 53 00024 P.AAF: .ASCII \SYSS$PRINT\      ;  
                                .EXTRN SYSS$CMEXEC, SYSS$CMKRNL  
                                .PSECT $CODE$,NOWRT,2  
                                07FC 00000 STOP_BATCH JOB:  
                                .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10      : 0955  
5A 00000000G 00 9E 00002 MOVAB SYSS$CMEXEC, R10  
59 00000000G 00 9E 00009 MOVAB PPD+72, R9  
58 00000000G 00 9E 00010 MOVAB OUTPUT_FAB+4, R8  
57 00000000G 00 9E 00017 MOVAB OUTPUT_NAM+3, R7  
5E FD78 CE 9E 0001E MOVAB -648(SP), SP  
52 CC A9 D0 00023 MOVL PPD+20, R2      : 0979  
0A 00000000G 00 00 FB 00027 CALLS #0, LOGOUT_MESSAGE      : 0985  
05 04 BC 01 E1 0002E BBC #1, @FLAGS, 1$      : 0989  
04 BC 03 E0 00033 BBS #3, @FLAGS, 1$      : 0990  
01 A8 80 8F 88 00038 BISB2 #128, OUTPUT_FAB+5      : 0992  
00000000G 00 7E D4 0003D 1$: CLRL -(SP)      : 0994  
6A 00000000G 00 9F 0003F PUSHAB CLOSE OUTPUT  
00000000G 00 02 FB 00045 CALLS #2, SYSS$CMEXEC  
00000000G 00 62 DD 00048 PUSHL (R2)      : 0996  
03 00000000G 00 00 9F 0004A PUSHAB SET UIC  
04 BC 02 FB 00050 CALLS #2, SYSS$CMKRNL  
0154 03 E0 00057 BBS #3, @FLAGS, 2$      : 0998  
F8 AD 7C 0005F 2$: BRW 20$  
F0 AD 7C 00062 CLRQ QUEUE_NAME      : 1000  
50 08 AC D0 00065 CLRQ JOB_NAME  
51 02 A0 3C 00069 MOVL BUFFER, WRDPTR      : 1015  
05 30 13 0006D MOVZWL 2(WRDPTR), R1      : 1018  
0E 12 00072 BEQL 7$  
F8 AD 60 3C 00074 CMPW R1, #5      : 1020  
FC AD A0 9E 00078 BNEQ 4$  
F4 AD D5 0007D MOVZWL (WRDPTR), QUEUE_NAME      : 1023  
11 11 00080 MOVAB 4(R0), QUEUE_NAME+4      : 1024  
04 51 B1 00082 TSTL JOB_NAME+4      : 1025  
0E 12 00085 BRB 5$  
F0 AD 60 3C 00087 CMPW R1, #4      : 1028  
F4 AD A0 9E 0008B BNEQ 6$  
FC AD D5 00090 MOVZWL (WRDPTR), JOB_NAME      : 1031  
0A 12 00093 MOVAB 4(R0), JOB_NAME+4      : 1032  
51 60 3C 00095 TSTL QUEUE_NAME+4      : 1033  
50 04 A140 9E 00098 BNEQ 7$  
MOVZWL (WRDPTR), R1      : 1036  
MOVAB 4(R1)[WRDPTR], WRDPTR
```


			CA 11 0009D	BRB 3\$	1016
		F8	AD D5 0009F 7\$:	TSTL QUEUE_NAME	1041
			0A 12 000A2	BNEQ 8\$	
	F8	AD	09 D0 000A4	MOVL #9, QUEUE_NAME	1044
	FC	AD	CF 9E 000A8	MOVAB P.AAF, QUEUE_NAME+4	1045
		56	CD 9E 000AE 8\$:	MOVAB ITMLST, PTR	1050
86	F8	AD	8F C9 000B3	BISL3 #8781824, QUEUE_NAME, (PTR)+	1055
		86	AD D0 000BC	MOVL QUEUE_NAME+4, (PTR)+	1056
			86 D4 000C0	CLRL (PTR)+	1057
86	F0	AD	8F C9 000C2	BISL3 #5177344, JOB_NAME, (PTR)+	1062
		86	AD D0 000CB	MOVL JOB_NAME+4, (PTR)+	1063
			86 D4 000CF	CLRL (PTR)+	1064
09	04	BC	04 E1 000D1	BBC #4, @FLAGS, 9\$	1069
		86	8F D0 000D6	MOVL #7077888, (PTR)+	1072
			86 7C 000DD 9\$:	CLRQ (PTR)+	1073
			69 95 000DF	TSTB PPD+72	1079
			27 13 000E1	BEQL 11\$	
		86	8F D0 000E3	MOVL #2555932, (PTR)+	1085
		86	69 9E 000EA	MOVAB PPD+72, (PTR)+	1086
			86 D4 000ED	CLRL (PTR)+	1087
09	04	BC	01 E1 000EF	BBC #1, @FLAGS, 10\$	1092
		86	8F D0 000F4	MOVL #1572864, (PTR)+	1095
			86 7C 000FB	CLRQ (PTR)+	1096
		66	8F D0 000FD 10\$:	MOVL #7405568, (PTR)	1102
			04 A6 7C 00104	CLRQ 4(PTR)	1103
			0090 31 00107	BRW 18\$	1104
		50	AC D0 0010A 11\$:	MOVL SIGNAL_ARGS, R0	1109
			03 12 0010E	BNEQ 12\$	
			008A 31 00110	BRW 19\$	
		51	6E 9E 00113 12\$:	MOVAB INPUT_BUFFER, I	1116
		53	51 D0 00116	MOVL I, P	
		83	8F D0 00119	MOVL #-2147352572, (P)+	1118
		83	A0 D0 00120	MOVL 4(R0), (P)+	1120
		03	60 91 00124	CMPB (R0), #3	1122
			07 1F 00127	BLSSU 13\$	
		61	08 B0 00129	MOVW #8, (I)	1125
		83	A0 D0 0012C	MOVL 12(R0), (P)+	1126
		04	60 91 00130 13\$:	CMPB (R0), #4	1129
			07 1F 00133	BLSSU 14\$	
		61	0C B0 00135	MOVW #12, (I)	1132
		83	A0 D0 00138	MOVL 16(R0), (P)+	1133
		50	67 9A 0013C 14\$:	MOVZBL OUTPUT_NAM+3, R0	1137
			12 13 0013F	BEQL 15\$	
02	A3	8003	8F B0 00141	MOVW #-32765, 2(P)	1140
			50 B0 00147	MOVW R0, (P)+	1141
			02 C0 0014A	ADDL2 #2, P	1142
		51	A7 D0 0014D	MOVL OUTPUT_NAM+4, R1	1145
			2C 11 00151	BRB 17\$	1146
		50	A7 9A 00153 15\$:	MOVZBL OUTPUT_NAM+11, R0	1148
			12 13 00157	BEQL 16\$	
02	A3	8003	8F B0 00159	MOVW #-32765, 2(P)	1151
			50 B0 0015F	MOVW R0, (P)+	1152
			02 C0 00162	ADDL2 #2, P	1153
		51	A7 D0 00165	MOVL OUTPUT_NAM+12, R1	1156
			14 11 00169	BRB 17\$	1157
02	A3	8003	8F B0 0016B 16\$:	MOVW #-32765, 2(P)	1161
		50	A8 9A 00171	MOVZBL OUTPUT_FAB+52, R0	1162

DETACHED
V04-000

C 13
16-Sep-1984 01:59:01
14-Sep-1984 12:41:05

VAX-11 Bliss-32 V4.0-742
[LOGIN.SRC]DETACHED.B32;1

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63	83	50	B0	00175	MOVW	R0, (P)+	:		
	53	02	C0	00178	ADDL2	#2, P	:	1163	
	51	A8	D0	0017B	MOVL	OUTPUT_FAB+44, R1	:	1166	
	61	50	28	0017F	MOV C3	R0, (RT), (P)	:	1167	
		83	D4	00183	CLRL	(P)+	:	1170	
	50	6E	9E	00185	MOVAB	INPUT_BUFFER, R0	:	1173	
	53	50	C2	00188	SUBL2	R0, R3	:		
66	53	000A0000	8F	C9	0018B	BISL3	#655360, R3, (PTR)	:	
	A6		6E	9E	00193	MOVAB	INPUT_BUFFER, 4(PTR)	:	1174
		08	A6	D4	00197	CLRL	8(PTR)	:	1175
	56		0C	C0	0019A	ADDL2	#12, PTR	:	1176
			66	D4	0019D	CLRL	(PTR)	:	1181
			7E	7C	0019F	CLRL	-(SP)	:	1184
			7E	D4	001A1	CLRL	-(SP)	:	
		FF78	CD	9F	001A3	PUSHAB	ITMLST	:	
	7E		13	7D	001A7	MOVQ	#19, -(SP)	:	
			7E	D4	001AA	CLRL	-(SP)	:	
00000000G	00		07	FB	001AC	CALLS	#7, SYSSNDJBCW	:	
			7E	D4	001B3	CLRL	-(SP)	:	1187
		00000000G	00	9F	001B5	PUSHAB	EXIT_PROCESS	:	
	6A		02	FB	001BB	CALLS	#2, SYSCMEEXEC	:	
			04	001BE	RET		:	1189	

; Routine Size: 447 bytes, Routine Base: \$CODE\$ + 032A


```

: 795      1190 1 GLOBAL ROUTINE init_network: NOVALUE =
: 796      1191 1
: 797      1192 1 ---
: 798      1193 1
: 799      1194 1     Perform initializations of a network job. The primary logical
: 800      1195 1     names have been setup by the calling process (NETACP).
: 801      1196 1
: 802      1197 1     Inputs:
: 803      1198 1
: 804      1199 1         sys$input = Name of command procedure to be invoked
: 805      1200 1         sys$output = 3 concatenated ASCII access control strings
: 806      1201 1         (username, password, account)
: 807      1202 1         sys$error = Network control block (NCB) for connect
: 808      1203 1
: 809      1204 1     Outputs:
: 810      1205 1
: 811      1206 1         uaf_record = Address of UAF record, if any
: 812      1207 1 ---
: 813      1208 1
: 814      1209 2 BEGIN
: 815      1210 2
: 816      1211 2 LOCAL
: 817      1212 2     len,
: 818      1213 2     ptr,
: 819      1214 2     username: VECTOR [2],      ! Username descriptor
: 820      1215 2     password: VECTOR [2],    ! Password descriptor
: 821      1216 2     account: VECTOR [2];      ! Account descriptor
: 822      1217 2
: 823      1218 2 job_type = jib$c_network;      ! Say this is a network job
: 824      1219 2
: 825      1220 2 !
: 826      1221 2 ! Get logical link number from NCB and store remote node info in P1 space
: 827      1222 2 !
: 828      1223 2
: 829      1224 2 IF NOT CH$FAIL(ptr = CH$FIND_CH(.sys$error [0], .sys$error [1], '/'))
: 830      1225 2 THEN
: 831      1226 2     set_node_name(.(.ptr + 1)<0,16>); ! Set remote node info in P1 space
: 832      1227 2
: 833      1228 2 !
: 834      1229 2 ! Check to see if this network job should use the proxy login. This is
: 835      1230 2 ! determined by checking the low bit of the first word of the string
: 836      1231 2 ! described by the sys$output descriptor. If the bit is set, then attempt
: 837      1232 2 ! a proxy login. If that fails, then use the access control string described
: 838      1233 2 ! by the sys$output descriptor.
: 839      1234 2 !
: 840      1235 2 !
: 841      1236 2 ptr = ..sys$output[1];              ! Get first two words of SYSS$OUTPUT string
: 842      1237 2
: 843      1238 2 sys$output[0] = .sys$output[0] - 2; ! Drop flag word off SYSS$OUTPUT string
: 844      1239 2 sys$output[1] = .sys$output[1] + 2;
: 845      1240 2
: 846      1241 2 IF NOT
: 847      1242 2     BEGIN
: 848      1243 2         IF .ptr<0,1> THEN get_proxy() ! If low bit set then try proxy login
: 849      1244 2         ELSE FALSE ! Otherwise set FALSE
: 850      1245 2     END
: 851      1246 2 THEN ! If no proxy, or proxy failed
```

```

: 852      1247      3      BEGIN
: 853      1248      3      ptr = .sys$output [1];
: 854      1249      3      ! Use the access control string
: 855      1250      3      ! Get address of SYS$OUTPUT string
: 856      1251      3      username [0] = CH$RCHAR_A(ptr);
: 857      1252      3      ! Get length of username
: 858      1253      3      ! and address of username
: 859      1254      3      ptr = .ptr + .username [0];
: 860      1255      3      password [0] = CH$RCHAR_A(ptr);
: 861      1256      3      ! Skip to password
: 862      1257      3      ! Get length of password
: 863      1258      3      password [1] = .ptr;
: 864      1259      3      ! and address of password
: 865      1260      3      ptr = .ptr + .password [0];
: 866      1261      3      ! Skip to account
: 867      1262      3      account [0] = CH$RCHAR_A(ptr);
: 868      1263      3      ! Get length of account
: 869      1264      3      account [1] = .ptr;
: 870      1265      3      ! and address of account
: 871      1266      3      ! Skip to account
: 872      1267      3      ! Get length of account
: 873      1268      3      ! and address of account
: 874      1269      3      IF NOT .pcb_sts [$BITPOSITION(pcb$v_login)]
: 875      1270      3      THEN validate_uafrec(username,
: 876      1271      3      ! Lookup in UAF file
: 877      1272      3      password,
: 878      1273      3      ! and validate the password
: 879      1274      3      UPLIT (0,0));
: 880      1275      3      ! with a null secondary password
: 881      1276      3      END;
: 882      1277      3      !
: 883      1278      3      ! Create SYS$NET logical name with contents of NCB
: 884      1279      3      !
: 885      1280      3      !
: 886      1281      3      !
: 887      1282      3      create_logical(%ASCID 'SYS$NET',
: 888      1283      3      ! Define SYS$NET
: 889      1284      3      sys$error,
: 890      1285      3      psl$exec);
: 891      1286      3      !
: 892      1287      3      !
: 893      1288      3      !
: 894      1289      3      ! If the input file has the file type .EXE, then rather than activating
: 895      1290      3      ! the CLI and creating a log file, activate the program from a small
: 896      1291      3      ! code segment in P1 space. This is done to optimize network job
: 897      1292      3      ! activation time.
: 898      1293      3      !
: 899      1294      3      !
: 900      1295      3      !
: 901      1296      3      !
: 902      1297      3      !
: 903      1298      3      !
: 904      1299      3      !
: 905      1300      3      !
: 906      1301      3      !
: 907      1302      3      !
: 908      1303      3      !

```



```

: 909      1304 2
: 910      1305 2 ptr = (sys$output [1] = .sys$input [1]);
: 911      1306 2 IF (len = (sys$output [0] = .sys$input [0])) NEQ 0
: 912      1307 2 THEN
: 913      1308 2 BEGIN
: 914      1309 2 DO
: 915      1310 4 BEGIN
: 916      1311 4 LOCAL
: 917      1312 4 chr: BYTE;
: 918      1313 4 chr = CH$RCHAR A(ptr);
: 919      1314 4 IF .chr EQL ':'
: 920      1315 4 OR .chr EQL ']'
: 921      1316 4 OR .chr EQL '>'
: 922      1317 4 THEN
: 923      1318 5 BEGIN
: 924      1319 5 sys$output [1] = .ptr;
: 925      1320 5 sys$output [0] = .len - 1;
: 926      1321 4 END;
: 927      1322 4 len = .len - 1;
: 928      1323 4 END
: 929      1324 3 WHILE .len GTR 0;
: 930      1325 3 IF NOT CH$FAIL(ptr = CH$FIND_CH(.sys$output [0], .sys$output [1], '.'))
: 931      1326 3 THEN
: 932      1327 3 sys$output [0] = CH$DIFF(.ptr, .sys$output [1]);
: 933      1328 2 END;
: 934      1329 2
: 935      1330 2 output_fab [fab$b_fns] = .sys$output [0]; ! Set as primary output filespec
: 936      1331 2 output_fab [fab$l_fna] = .sys$output [1];
: 937      1332 2
: 938      1333 1 END;
```

```

                                .PSECT $PLITS$,NOWRT,NOEXE,2
                                0002D
                                00030 P.AAG: .BLKB 3
00 54 45 4E 24 53 59 53 00038 P.AAI: .LONG 0, 0
                                010E0007 00040 P.AAH: .ASCII \SYS$NET\<0>
                                00000000' 00044 P.AAJ: .LONG 17694727
                                45 58 45 2E 00048 P.AAJ: .ADDRESS P.AAI
                                3A 4C 4E 5F 0004C P.AAK: .ASCII \.EXE\
4D 4F 43 2E 54 43 45 4E 4E 4F 43 00050 P.AAL: .ASCII \NL:\
                                .ASCII \CONNECT.COM\
```

```

                                .PSECT $CODE$,NOWRT,2
                                07FC 00000
                                5A 0000' CF 9E 00002
59 00000000G 00 9E 00007
58 00000000G 00 9E 0000E
57 00000000G 00 9E 00015
56 00000000G 00 9E 0001C
55 00000000G 00 9E 00023
5E 18 C2 0002A
                                .ENTRY INIT_NETWORK, Save R2,R3,R4,R5,R6,R7,R8,R9,-; 1190
                                R10
                                MOVAB P.AAG, R10
                                MOVAB SYSSERROR, R9
                                MOVAB OUTPUT_FAB+44, R8
                                MOVAB SYSSINPUT+4, R7
                                MOVAB INPUT_FAB+44, R6
                                MOVAB SYSSOUTPUT+4, R5
                                SUBL2 #24, SP
```

00000000G	00	01	D0	0002D	MOVL	#1, JOB TYPE	1218	
60	50	04	A9	D0	00034	MOVL	SYSS\$ERROR+4, R0	1224
	69		2F	3A	00038	LOCC	#47, SYSS\$ERROR, (R0)	
			02	12	0003C	BNEQ	1\$	
	54		51	D4	0003E	CLRL	R1	
			51	D0	00040	MOVL	R1, PTR	
			0B	13	00043	BEQL	2\$	
00000000G	7E	01	A4	3C	00045	MOVZWL	1(PTR), -(SP)	1226
	00		01	FB	00049	CALLS	#1, SET_NODE_NAME	
	50		65	D0	00050	MOVL	SYSS\$OUTPUT+4, R0	1236
	54		60	D0	00053	MOVL	(R0), PTR	
FC	A5		02	C2	00056	SUBL2	#2, SYSS\$OUTPUT	1238
	65		02	C0	0005A	ADDL2	#2, SYSS\$OUTPUT+4	1239
	08		54	E9	0005D	BLBC	PTR, 3\$	1243
0000V	CF		00	FB	00060	CALLS	#0, GET_PROXY	
	39		50	EB	00065	BLBS	R0, 4\$	
	54		65	D0	00068	MOVL	SYSS\$OUTPUT+4, PTR	1248
10	AE		84	9A	0006B	MOVZBL	(PTR)+, USERNAME	1250
14	AE		54	D0	0006F	MOVL	PTR, USERNAME+4	1251
	54	10	AE	C0	00073	ADDL2	USERNAME, PTR	1253
08	AE		84	9A	00077	MOVZBL	(PTR)+, PASSWORD	1254
0C	AE		54	D0	0007B	MOVL	PTR, PASSWORD+4	1255
	54	08	AE	C0	0007F	ADDL2	PASSWORD, PTR	1257
	6E		84	9A	00083	MOVZBL	(PTR)+, ACCOUNT	1258
04	AE		54	D0	00086	MOVL	PTR, ACCOUNT+4	1259
OF 00000000G	00		04	E0	0008A	BBS	#4, PCB_STS+2, 4\$	1261
			5A	DD	00092	PUSHL	R10	1264
		0C	AE	9F	00094	PUSHAB	PASSWORD	1262
		18	AE	9F	00097	PUSHAB	USERNAME	
00000000G	00		03	FB	0009A	CALLS	#3, VALIDATE_UAFREC	
			01	DD	000A1	PUSHL	#1	1271
			59	DD	000A3	PUSHL	R9	
		10	AA	9F	000A5	PUSHAB	P.AAH	
00000000G	00		03	FB	000A8	CALLS	#3, CREATE_LOGICAL	
	50		67	D0	000AF	MOVL	SYSS\$INPUT+4, R0	1282
60	FC	A7	04	39	000B2	MATCHC	#4, P.AAJ, SYSS\$INPUT, (R0)	1283
			03	13	000B9	BEQL	5\$	
	53		04	D0	000BB	MOVL	#4, R3	
	53		04	C2	000BE	SUBL2	#4, R3	
			20	13	000C1	BEQL	6\$	
			7E	D4	000C3	CLRL	-(SP)	1286
00000000G	00	00000000G	00	9F	000C5	PUSHAB	MAP_IMGACT	
	66		02	FB	000CB	CALLS	#2, SYSS\$CMEXEC	
	08	1C	AA	9E	000D2	MOVAB	P.AAK, INPUT_FAB+44	1287
	68		04	90	000D6	MOVB	#4, INPUT_FAB+52	1288
08	A8		66	D0	000DA	MOVL	INPUT_FAB+44, OUTPUT_FAB+44	1289
		08	A6	90	000DD	MOVB	INPUT_FAB+52, OUTPUT_FAB+52	1290
			04	000E2	RET			1285
04	A6	20	AA	9E	000E3	MOVAB	P.AAL, INPUT_FAB+48	1298
09	A6		0B	90	000E8	MOVB	#11, INPUT_FAB+53	1299
	50		67	D0	000EC	MOVL	SYSS\$INPUT+4, R0	1305
	65		50	D0	000EF	MOVL	R0, SYSS\$OUTPUT+4	
	54		50	D0	000F2	MOVL	R0, PTR	
	50	FC	A7	D0	000F5	MOVL	SYSS\$INPUT, R0	1306
FC	A5		50	D0	000F9	MOVL	R0, SYSS\$OUTPUT	
			34	13	000FD	BEQL	11\$	
	51		84	90	000FF	MOVB	(PTR)+, CHR	1313

DETACHED
V04-000

H 13
16-Sep-1984 01:59:01
14-Sep-1984 12:41:05

VAX-11 Bliss-32 V4.0-742
[LOGIN.SRC]DETACHED.B32;1

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		3A		51	91	00102		CMPB	CHR, #58	:	1314
				0B	13	00105		BEQL	8\$:	
	5D	8F		51	91	00107		CMPB	CHR, #93	:	1315
				05	13	0010B		BEQL	8\$:	
		3E		51	91	0010D		CMPB	CHR, #62	:	1316
				08	12	00110		BNEQ	9\$:	
		65		54	D0	00112	8\$:	MOVL	PTR, SYSS\$OUTPUT+4	:	1319
	FC	A5	FF	A0	9E	00115		MOVAB	-1(R0), SYSS\$OUTPUT	:	1320
		E2		50	F5	0011A	9\$:	SOBGTR	LEN, 7\$:	1322
		52		65	D0	0011D		MOVL	SYSS\$OUTPUT+4, R2	:	1325
	62	FC	A5	2E	3A	00120		LOCC	#46, SYSS\$OUTPUT, (R2)	:	
				02	12	00125		BNEQ	10\$:	
				51	D4	00127		CLRL	R1	:	
		54		51	D0	00129	10\$:	MOVL	R1, PTR	:	
				05	13	0012C		BEQL	11\$:	
FC	A5			52	C3	0012E		SUBL3	R2, PTR, SYSS\$OUTPUT	:	1327
	0B	54	FC	A5	90	00133	11\$:	MOVB	SYSS\$OUTPUT, OUTPUT_FAB+52	:	1330
		A8		65	D0	00138		MOVL	SYSS\$OUTPUT+4, OUTPUT_FAB+44	:	1331
		68		04	0013B			RET		:	1333

; Routine Size: 316 bytes, Routine Base: \$CODE\$ + 04E9

```

940 1334 1 ROUTINE get_proxy =
941 1335 1 ---
942 1336 1
943 1337 1     Get the local username that is mapped to the remote username.
944 1338 1     The remote username is contained in the NCB string described
945 1339 1     by NCB_DESC, the NCB descriptor.
946 1340 1
947 1341 1     Inputs:
948 1342 1
949 1343 1         sys$error = address of NCB descriptor
950 1344 1
951 1345 1     Outputs:
952 1346 1
953 1347 1         uaf_record = Address of UAF record, if any
954 1348 1
955 1349 1     Status returns:
956 1350 1
957 1351 1         TRUE => Proxy username found
958 1352 1         FALSE => No proxy username found
959 1353 1
960 1354 1 ---
961 1355 1
962 1356 2 BEGIN
963 1357 2
964 1358 2 LOCAL
965 1359 2     status,
966 1360 2     netfab : BBLOCK[fab$c_bln],           ! Fab for NETUAF.DAT
967 1361 2     netrab : BBLOCK[rab$c_bln],         ! Rab for NETUAF.DAT
968 1362 2     net_record : BBLOCK[naf$c_length], ! Place to put a record
969 1363 2     user_desc : VECTOR[2],              ! Username descriptor
970 1364 2     ptr,                                ! Temp pointer
971 1365 2     node_len,                           ! Length of node
972 1366 2     node_ptr,                           ! Pointer to beginning of node
973 1367 2     user_len,                           ! Length of username
974 1368 2     user_ptr;                           ! Pointer to beginning of username
975 1369 2
976 1370 2
977 1371 2     Initialize the FAB and RAB
978 1372 2
979 1373 2 $FAB_INIT ( FAB = netfab,
980 1374 2             FAC = get,                   ! Want to get records
981 1375 2             FNM = 'NETUAF',             ! Name is NETUAF
982 1376 2             DNM = 'SYS$SYSTEM:.DAT',    ! Look in SYS$SYSTEM
983 1377 2             SHR = (get,put,upd,del));    ! Do shared access
984 1378 2
985 1379 2     Disable group and process logical name translation. This must be
986 1380 2     done manually, since $FAB_INIT doesn't know about the disable mask.
987 1381 2
988 1382 2     netfab[fab$v_lnm_mode] = psl$c_exec;
989 1383 2
990 1384 2 $RAB_INIT ( RAB = netrab,
991 1385 2             ROP = rrl,                   ! Don't lock records
992 1386 2             RAC = key,                   ! Access is keyed
993 1387 2             KRF = 0,                     ! Use primary key
994 1388 2             KBF = net_record[naf$t_remname], ! Lookup key overlays net record
995 1389 2             KSZ = naf$s_remname,         ! and it's this long
996 1390 2             UBF = net_record,           ! Fetch record and put it here

```



```

: 997      P 1391      2      USZ = naf$c length,      ! Size of record
: 998      1392
: 999      1393      FAB = netfab);
: 1000     1394
: 1001     1395      ! Open NETUAF
: 1002     1396
: 1003     1397      set_sysprv ();
: 1004     1398      IF NOT (status = $OPEN (FAB = netfab))
: 1005     1399      THEN
: 1006     1400      BEGIN
: 1007     1401      clear_sysprv ();
: 1008     1402      IF .status EQL rms$_fnf
: 1009     1403      THEN RETURN false;
: 1010     1404      SIGNAL_STOP (lgi$_netuafacc, 0, .status, .netfab[fab$l_stv]);
: 1011     1405      END;
: 1012     1406
: 1013     1407      IF NOT (status = $CONNECT (RAB = netrab))
: 1014     1408      THEN
: 1015     1409      BEGIN
: 1016     1410      IF .status EQL rms$_crmp
: 1017     1411      THEN
: 1018     1412      BEGIN
: 1019     1413      netfab[fab$w_gbc] = 0;
: 1020     1414      status = $CONNECT (RAB = netrab);
: 1021     1415      END;
: 1022     1416      IF NOT .status
: 1023     1417      THEN
: 1024     1418      BEGIN
: 1025     1419      clear_sysprv ();
: 1026     1420      $CLOSE (FAB = netfab);
: 1027     1421      SIGNAL_STOP (lgi$_netuafacc, 0, .status, .netrab[rab$l_stv]);
: 1028     1422      END;
: 1029     1423      END;
: 1030     1424
: 1031     1425      clear_sysprv ();
: 1032     1426
: 1033     1427      !
: 1034     1428      ! Get the remote node and remote username from the Network Control Block.
: 1035     1429      ! The NCB is an ASCII string that looks like this:
: 1036     1430
: 1037     1431      ! NODE::'OBJECT=USERNAME/<more stuff>'
: 1038     1432
: 1039     1433      ! Where NODE and USERNAME are the two fields to extract and use as a key,
: 1040     1434      ! to locate the record in NETUAF.DAT which contains the local username to
: 1041     1435      ! map to.
: 1042     1436
: 1043     1437      !
: 1044     1438      ! First, get the node.
: 1045     1439
: 1046     1440
: 1047     1441
: 1048     1442      ptr = CH$FIND_SUB ( .sys$error[0],      ! Search the NCB string
: 1049     1443      .sys$error[1],
: 1050     1444      2, UPLIT ('::'));      ! Looking for ::
: 1051     1445
: 1052     1446
: 1053     1447      ! If the node wasn't there, then return FALSE and process with no proxy
```

```
1054 1448 2 !
1055 1449 2
1056 1450 2 IF .ptr EQL 0 OR
1057 1451 2 .ptr EQL .sys$error[1]
1058 1452 2 THEN RETURN false;
1059 1453 2
1060 1454 2 node_len = .ptr - .sys$error[1]; ! Store node length
1061 1455 2 node_ptr = .sys$error[1]; ! And starting address
1062 1456 2
1063 1457 2
1064 1458 2 ! Get the username. This is done by looking for the "=", then the
1065 1459 2 ! "/", and interpreting whatever is between the two characters as the
1066 1460 2 ! username.
1067 1461 2
1068 1462 2
1069 1463 2 ptr = CH$FIND_CH ( .sys$error[0], ! Search the NCB string
1070 1464 2 .sys$error[1], ! Looking for equal sign
1071 1465 2 i=1);
1072 1466 2
1073 1467 2 IF .ptr EQL 0 ! If no such character found
1074 1468 2 THEN RETURN false; ! return a value of FALSE
1075 1469 2
1076 1470 2 user_ptr = .ptr + 1; ! Compute beginning of username
1077 1471 2
1078 1472 2 ptr = CH$FIND_CH ( .sys$error[0], ! Search the NCB string
1079 1473 2 .sys$error[1], ! Looking for slash
1080 1474 2 i=1);
1081 1475 2
1082 1476 2
1083 1477 2 ! If no slash, or a null username, return FALSE
1084 1478 2
1085 1479 2
1086 1480 2 IF .ptr EQL 0 OR
1087 1481 2 .ptr EQL .user_ptr
1088 1482 2 THEN RETURN false;
1089 1483 2
1090 1484 2
1091 1485 2 ! Otherwise, compute the username length
1092 1486 2
1093 1487 2
1094 1488 2 user_len = .ptr - .user_ptr;
1095 1489 2
1096 1490 2
1097 1491 2 ! Copy the node and username to NET_KEY, the key buffer that RMS will
1098 1492 2 ! use to look for the specified record.
1099 1493 2
1100 1494 2 CH$COPY ( ,node_len, .node_ptr, ! Copy the nodename
1101 1495 2 naf$s_node, net_record[naf$t_node]); ! Padded with blanks
1102 1496 2 ! To the key buffer
1103 1497 2
1104 1498 2 CH$COPY ( ,user_len, .user_ptr, ! Copy the username
1105 1499 2 naf$s_remuser, net_record[naf$t_remuser]); ! Padded with blanks
1106 1500 2
1107 1501 2
1108 1502 2
1109 1503 2 ! Now perform a $GET, so see if there is a record in NETUAF that
1110 1504 2 ! exactly matches the node and username specified. If no exact match
```



```
1111 1505 2 | is found, wildcarding is applied in the following order:
1112 1506 2 |
1113 1507 2 |     Wildcard node, specific user
1114 1508 2 |     Specific node, wildcard user
1115 1509 2 |     Wildcard node, wildcard user
1116 1510 2 |
1117 1511 2 | If a match is found, then it is used and no further checking is done.
1118 1512 2 |
1119 1513 2 | IF NOT ($GET (RAB = netrāb))
1120 1514 2 | THEN
1121 1515 2 |     BEGIN
1122 1516 2 |         CH$COPY ( 1, UPLIT ('*'),           ! Put in wildcard node
1123 1517 2 |             naf$s_node, net_record[naf$t_node]);
1124 1518 2 |         IF NOT ($GET (RAB = netrāb))
1125 1519 2 |         THEN
1126 1520 2 |             BEGIN
1127 1521 2 |                 CH$COPY ( ,node_len, .node_ptr,       ! Specific node,
1128 1522 2 |                     naf$s_node, net_record[naf$t_node]);
1129 1523 2 |                 CH$COPY ( 1, UPLIT ('*'),           ! Wildcard user
1130 1524 2 |                     naf$s_remuser, net_record[naf$t_remuser]);
1131 1525 2 |                 IF NOT ($GET (RAB = netrāb))
1132 1526 2 |                 THEN
1133 1527 2 |                     BEGIN
1134 1528 2 |                         CH$COPY ( 1, UPLIT ('*'),       ! Wildcard node and user
1135 1529 2 |                             naf$s_node, net_record[naf$t_node]);
1136 1530 2 |                         IF NOT ($GET (RAB = netrāb))
1137 1531 2 |                         THEN
1138 1532 2 |                             BEGIN
1139 1533 2 |                                 $CLOSE(FAB = netfab);
1140 1534 2 |                                 RETURN false;           ! If no matches, return false
1141 1535 2 |                                 END;
1142 1536 2 |                             END;
1143 1537 2 |                         END;
1144 1538 2 |                     END;
1145 1539 2 |                 END;
1146 1540 2 |             END;
1147 1541 2 |         END;
1148 1542 2 |     END;
1149 1543 2 |
1150 1544 2 | Close NETUAF
1151 1545 2 |
1152 1546 2 |
1153 1547 2 | $CLOSE (FAB = netfab);
1154 1548 2 |
1155 1549 2 | If we get here, then a match was found. Check to see if the local username
1156 1550 2 | is actually a '*', in which case copy the remote username to the local
1157 1551 2 | username.
1158 1552 2 |
1159 1553 2 |
1160 1554 2 | IF .VECTOR [net_record[naf$t_localuser], 0; ,BYTE] EQL '*'
1161 1555 2 | THEN CH$COPY (,user_len, .user_ptr,
1162 1556 2 |     naf$s_localuser, net_record[naf$t_localuser]);
1163 1557 2 |
1164 1558 2 |
1165 1559 2 |
1166 1560 2 | Now fill in the user descriptor with the local username, and call
1167 1561 2 | GET_UAFREC, to get the UAF record without checking for password.
```

```
: 1168      1562 2 !
: 1169      1563 2
: 1170      1564 2 user_desc[0] = naf$s_localuser;
: 1171      1565 2 user_desc[1] = net_record[naf$t_localuser];
: 1172      1566 2
: 1173      1567 2 get_uafrec (user_desc);
: 1174      1568 2
: 1175      1569 2 !
: 1176      1570 2 ! Done. If a UAF record was found, return TRUE. Otherwise return FALSE.
: 1177      1571 2 !
: 1178      1572 2
: 1179      1573 2 RETURN (.uaf_record NEQ 0);
: 1180      1574 1 END;
```

```
.PSECT $SPLITS,NOWRT,NOEXE,2

54 41 44 2E 3A 4D 45 54 53 46 41 55 54 45 4E 0005B P.AAM: .ASCII \NETUAF\
24 53 59 53 00061 P.AAN: .ASCII \SYSS$SYSTEM:.DAT\
00 00 3A 3A 00070 P.AAO: .ASCII \::\<0><0>
00 00 00 2A 00074 P.AAP: .ASCII \*\<0><0><0>
00 00 00 2A 00078 P.AAQ: .ASCII \*\<0><0><0>
00 00 00 2A 0007C P.AAR: .ASCII \*\<0><0><0>

.EXTRN SYSS$OPEN, SYSS$CONNECT
.EXTRN SYSS$CLOSE, SYSS$GET

.PSECT $CODE$,NOWRT,2

OFFC 00000 GET_PROXY:
5B 00000000G 00 9E 00002 .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
5A 00000000G 00 9E 00009 MOVAB CLEAR SYSPRV, R11
5E FF00 CE 9E 00010 MOVAB SYSS$GET, R10
6E B0 AD 00 2C 00015 MOVAB -256(SP), SP
B0 AD 0001C MOVCS #0, (SP), #0, #80, $RMS_PTR
C6 AD 5003 8F B0 0001E MOVW #20483, $RMS_PTR
CF AD 0F02 8F B0 00024 MOVW #3842, $RMS_PTR+22
DC AD 0000' 02 90 0002A MOVAB #2, $RMS_PTR+31
E0 AD 0000' CF 9E 0002E MOVAB P.AAM, $RMS_PTR+44
E4 AD 0000' CF 9E 00034 MOVAB P.AAN, $RMS_PTR+48
FA AD 0F06 8F B0 0003A MOVW #3846, $RMS_PTR+52
0044 AD 00 01 F0 00040 INSV #1, #0, #2, NETFAB+74
00 6E 00 2C 00046 MOVCS #0, (SP), #0, #68, $RMS_PTR
6C AE 0004D MOVW #17409, $RMS_PTR
70 AE 4401 8F B0 0004F MOVW #8, $RMS_PTR+4
8A AD 08 D0 00055 MOVL #1, $RMS_PTR+30
8C AD 64 8F 9B 0005D MOVZBW #100, $RMS_PTR+32
90 AD 08 AE 9E 00062 MOVAB NET_RECORD, $RMS_PTR+36
9C AD 08 AE 9E 00067 MOVAB NET_RECORD, $RMS_PTR+48
A0 AD 40 8F 90 0006C MOVW #64, $RMS_PTR+52
A8 AD B0 AD 9E 00071 MOVAB NETFAB, $RMS_PTR+60
00000000G 00 00 FB 00076 CALLS #0, SET_SYSPRV
00000000G 00 B0 AD 9F 0007D PUSHAB NETFAB
01 FB 00080 CALLS #1, SYSS$OPEN
```


	52		50	D0	00087	MOVL	R0, STATUS	:	
	23		52	E8	0008A	BLBS	STATUS, 2\$:	
	6B		00	FB	0008D	CALLS	#0, CLEAR_SYSPRV	:	1401
00018292	8F		52	D1	00090	CMPL	STATUS, #98962	:	1402
			03	12	00097	BNEQ	1\$:	
		014B	31	00099	BRW	12\$:	
		BC	AD	DD	0009C	1\$: PUSHL	NETFAB+12	:	1404
			52	DD	0009F	PUSHL	STATUS	:	
			7E	D4	000A1	CLRL	-(SP)	:	
00000000G	00	00000000G	8F	DD	000A3	PUSHL	#LGIS, NETUAFACC	:	
			04	FB	000A9	CALLS	#4, LIB\$STOP	:	
00000000G	00	6C	AE	9F	000B0	2\$: PUSHAB	NETRAB	:	1407
			01	FB	000B3	CALLS	#1, SYSS\$CONNECT	:	
	52		50	D0	000BA	MOVL	R0, STATUS	:	
0001C14C	3D		52	E8	000BD	BLBS	STATUS, 4\$:	
	8F		52	D1	000C0	CMPL	STATUS, #115020	:	1410
			10	12	000C7	BNEQ	3\$:	
		F8	AD	B4	000C9	CLRW	NETFAB+72	:	1413
		6C	AE	9F	000CC	PUSHAB	NETRAB	:	1414
00000000G	00		01	FB	000CF	CALLS	#1, SYSS\$CONNECT	:	
	52		50	D0	000D6	MOVL	R0, STATUS	:	
	21		52	E8	000D9	3\$: BLBS	STATUS, 4\$:	1416
	6B		00	FB	000DC	CALLS	#0, CLEAR_SYSPRV	:	1419
00000000G	00	B0	AD	9F	000DF	PUSHAB	NETFAB	:	1420
			01	FB	000E2	CALLS	#1, SYSS\$CLOSE	:	
		78	AE	DD	000E9	PUSHL	NETRAB+12	:	1421
			52	DD	000EC	PUSHL	STATUS	:	
			7E	D4	000EE	CLRL	-(SP)	:	
00000000G	00	00000000G	8F	DD	000F0	PUSHL	#LGIS, NETUAFACC	:	
	6B		04	FB	000F6	CALLS	#4, LIB\$STOP	:	
	55	00000000G	00	FB	000FD	4\$: CALLS	#0, CLEAR_SYSPRV	:	1425
	54	00000000G	00	D0	00100	MOVL	SYSS\$ERROR, R5	:	1442
64	55	0000'	00	D0	00107	MOVL	SYSS\$ERROR+4, R4	:	1443
	CF		02	39	0010E	MATCHC	#2, P.AAO, R5, (R4)	:	1444
			03	13	00115	BEQL	5\$:	
	53		02	D0	00117	MOVL	#2, R3	:	
	53		02	C2	0011A	5\$: SUBL2	#2, R3	:	
			2D	13	0011D	BEQL	8\$:	1450
	54		53	D1	0011F	CMPL	PTR, R4	:	1451
			28	13	00122	BEQL	8\$:	
57	53		54	C3	00124	SUBL3	R4, PTR, NODE_LEN	:	1454
	56		54	D0	00128	MOVL	R4, NODE_PTR	:	1455
64	55		3D	3A	0012B	LOCC	#61, R5, (R4)	:	1463
			02	12	0012F	BNEQ	6\$:	
			51	D4	00131	CLRL	R1	:	
	53		51	D0	00133	6\$: MOVL	R1, PTR	:	
			78	13	00136	BEQL	9\$:	1467
	58	01	A3	9E	00138	MOVAB	1(R3), USER_PTR	:	1470
64	55		2F	3A	0013C	LOCC	#47, R5, (R4)	:	1472
			02	12	00140	BNEQ	7\$:	
			51	D4	00142	CLRL	R1	:	
	53		51	D0	00144	7\$: MOVL	R1, PTR	:	
			67	13	00147	BEQL	9\$:	1480
	58		53	D1	00149	CMPL	PTR, USER_PTR	:	1481
			62	13	0014C	8\$: BEQL	9\$:	
	59		58	C3	0014E	SUBL3	USER_PTR, PTR, USER_LEN	:	1488
20	20		57	2C	00152	MOVCS	NODE_LEN, (NODE_PTR), #32, #32, NET_RECORD	:	1496

20	20	68	08	AE		00157		MOVCS	USER_LEN, (USER_PTR), #32, #32, -	1500
			28	59	2C	00159			NET_RECORD+32	
			6C	AE		0015E		PUSHAB	NETRAB	1513
		6A		01	FB	00163		CALLS	#1, SYSSGET	
		49		50	E8	00166		BLBS	R0, 10\$	
20	20	CF		01	2C	00169		MOVCS	#1, P.AAP, #32, #32, NET_RECORD	1518
			08	AE		00170				
			6C	AE	9F	00172		PUSHAB	NETRAB	1519
		6A		01	FB	00175		CALLS	#1, SYSSGET	
		37		50	E8	00178		BLBS	R0, 10\$	
20	20	66		57	2C	0017B		MOVCS	NODE_LEN, (NODE_PTR), #32, #32, NET_RECORD	1524
			08	AE		00180				
20	20	CF		01	2C	00182		MOVCS	#1, P.AAQ, #32, #32, NET_RECORD+32	1527
			28	AE		00189				
			6C	AE	9F	0018B		PUSHAB	NETRAB	1528
		6A		01	FB	0018E		CALLS	#1, SYSSGET	
		1E		50	E8	00191		BLBS	R0, 10\$	
20	20	CF		01	2C	00194		MOVCS	#1, P.AAR, #32, #32, NET_RECORD	1533
			08	AE		0019B				
			6C	AE	9F	0019D		PUSHAB	NETRAB	1534
		6A		01	FB	001A0		CALLS	#1, SYSSGET	
		OC		50	E8	001A3		BLBS	R0, 10\$	
			B0	AD	9F	001A6		PUSHAB	NETFAB	1537
		00000000G	00	01	FB	001A9		CALLS	#1, SYSSCLOSE	
				35	11	001B0	9\$:	BRB	12\$	1538
			B0	AD	9F	001B2	10\$:	PUSHAB	NETFAB	1547
		00000000G	00	01	FB	001B5		CALLS	#1, SYSSCLOSE	
		2A		48	AE	91 001BC		CMPB	NET_RECORD+64, #42	1554
				07	12	001C0		BNEQ	11\$	
20	20	68		59	2C	001C2		MOVCS	USER_LEN, (USER_PTR), #32, #32, -	1557
			48	AE		001C7			NET_RECORD+64	
		6E		20	D0	001C9	11\$:	MOVL	#32, USER_DESC	1564
		AE		48	AE	9E 001CC		MOVAB	NET_RECORD+64, USER_DESC+4	1565
				5E	DD	001D1		PUSHL	SP	1567
		00000000G	00	01	FB	001D3		CALLS	#1, GET_UAFREC	
				50	D4	001DA		CLRL	R0	1573
			00000000G	00	D5	001DC		TSTL	UAF_RECORD	
				05	13	001E2		BEQL	13\$	
				50	D6	001E4		INCL	R0	
					04	001E6		RET		
				50	D4	001E7	12\$:	CLRL	R0	1574
					04	001E9	13\$:	RET		

; Routine Size: 490 bytes, Routine Base: \$CODE\$ + 0625

DETACHED
V04-000

C 14
16-Sep-1984 01:59:01
14-Sep-1984 12:41:05

VAX-11 Bliss-32 V4.0-742
[LOGIN.SRC]DETACHED.B32;1

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(8)

: 1182
: 1183
1575 1 END
1576 0 ELUDOM

.EXTRN LIB\$STOP

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	299	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$SPLITS	128	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	2063	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	163	0	1000	00:01.4

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:DETACHED/OBJ=OBJ\$:DETACHED MSRC\$:DETACHED/UPDATE=(ENH\$:DETACHED)

: Size: 2063 code + 427 data bytes
: Run Time: 00:31.3
: Elapsed Time: 02:05.2
: Lines/CPU Min: 3020
: Lexemes/CPU-Min: 38117
: Memory Used: 286 pages
: Compilation Complete

0221 AH-BT13A-SE
VAX/VMS V4.0

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